CLAIMS

1. A method for reducing the production of municipal or industrial wastewater treatment station sludge, with fixed biological cultures, characterized in that it consists in dissociating the step of reducing sludge production from the purifying step, by providing a step of activated sludge type biological treatment with low, medium or high load, associated with a reduced sludge production (RSP) step by theremophilic enzymatic method, or by partial oxidation with ozone combined with mechanical stirring, the substrate source for the biological treatment bacteria consisting of the organic matter derived from lyzed bacterial cells induced during the reduced sludge production (RSP)step.

2. A device for putting into practice the method as claimed in claim 1, characterized in that it is in the form of an installation dedicated to reducing sludge production associating an RSP device (3), with a reactor for biological treatment with low, medium or high load (8) whereof the substrate source for the bacteria consists of the organic matter derived from the lyzed bacterial cells induced by the reduced sludge production device (3).

3. The device as claimed in claim 2, characterized in that the RSP device (3) is supplied continuously by withdrawing sludge after possible thickening in the separator-thickener (9) collecting the activated sludge leaving the biological treatment reactor (8).